



## IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Jalali, Y. et al. Attorney Docket No: 68.0303  
Serial No: 10/085,808 Art Unit:  
Filed: 2/28/2002 Examiner:  
For: DESIGNING A COMPLETIONS ARCHITECTURE

Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

### DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

Declaration Submitted with Initial Filing  Declaration Submitted after Initial Filing

**As a below named inventor, I hereby declare that:**

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DESIGNING A COMPLETIONS ARCHITECTURE

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### CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8 & 1.10

I hereby certify that this document and its attachments are being sent on the date indicated below to the Assistant Commissioner for Patents, Washington D.C. 20231 by:

facsimile to number \_\_\_\_\_.  
 first class mail.  
 Express Mail: Post Office to Addressee No. **EV 104 890 319US**

Date

7/26/02

Joanne Hyland  
Joanne Hyland

the specification of which

is attached hereto.

was filed on February 28, 2002 as United States Application Number or PCT International Application Number 10/085,808.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Numbers	Country	Foreign Filing Date	Priority Not Claimed	Certified Copy Attached	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date
60/236,125	September 28, 2000
60/236,905	September 28, 2000
60/237,083	September 28, 2000
60/237,084	September 28, 2000

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Numbers	PCT Parent Number	Parent Filing Date	Parent Patent Number
09/952,178		September 12, 2001	

**Direct all correspondence to:**

**Patent Counsel**  
**Schlumberger Reservoir Completions**  
**Schlumberger Technology Corporation**  
**P.O. Box 1590**  
**Rosharon, Texas 77583**

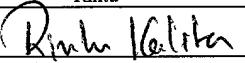
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

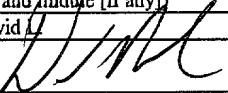
<b>Name of Sole or First Inventor</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.						
Given Name (first and middle (if any)) Younes				Family Name or Surname Jalali				
Inventor's Signature	<i>Y. Jalali</i>					Date	13-MAR-02	
Citizenship	U.S.							
Residence Address	1926 Woodlawn Terrace							
Residence: City	Sugar Land	State	TX	ZIP	77479	Country	U.S.	
Post Office Address	1926 Woodlawn Terrace							
City	Sugar Land	State	TX	ZIP	77479	Country	U.S.	

Name of Additional Inventor		□ A petition has been filed for this unsigned inventor.				
Given Name (first and middle [if any])			Family Name or Surname			
Inventor's Signature	Shekhar Sinha				Date	5 March 2002
Citizenship	India					
Residence Address	60 Petersfield Mansions, Mill Rd					
Residence: City	Cambridge	State		ZIP	CB1 1BB	Country
Post Office Address	60 Petersfield Mansions, Mill Rd					
City	Cambridge	State		ZIP	CB1 1BB	Country
						U.K

<b>Name of Additional Inventor</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature	Allyson			Gajraj			Date
Citizenship	Trinidad and Tobago						
Residence Address	23211 Willow Pond Drive						
Residence: City	Katy	State	TX	ZIP	77494	Country	U.S.
Post Office Address	23211 Willow Pond Drive						
City	Katy	State	TX	ZIP	77494	Country	U.S.

<b>Name of Additional Inventor</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.				
Given Name (first and middle [if any])		Family Name or Surname				
Soraya S.		Betancourt				
Inventor's Signature	<i>Soraya Betancourt</i>					Date
Citizenship	Venezuela					
Residence Address	2 Vine Lane					
Residence City	Ridgefield	State	CT	ZIP	06877	Country
Post Office Address	2 Vine Lane	State	CT	ZIP	06877	Country
City	Ridgefield	State	CT	ZIP	06877	Country
						U.S.

<b>Name of Additional Inventor</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])		Family Name or Surname					
Rintu		Kalita					
Inventor's Signature					Date	05-MAR-2002	
Citizenship	India						
Residence Address	31 Petersfield Mansions, Hill Road						
Residence: City	Cambridge	State		ZIP	CB1 1BB	Country	U.K.
Post Office Address	31 Petersfield Mansions, Hill Road						
City	Cambridge	State		ZIP	CB1 1BB	Country	U.K.

<b>Name of Additional Inventor</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])				Family Name or Surname			
David				Malone			
Inventor's Signature					Date	3/11/02	
Citizenship	U.S.						
Residence Address	4606 St. Michaels Court						
Residence: City	Sugar Land	State	TX	ZIP	77479	Country	U.S.
Post Office Address	4606 St. Michaels Court						
City	Sugar Land	State	TX	ZIP	77479	Country	U.S.



# IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Jalali et al. Attorney Docket No: 68.0303  
Serial No: 10/085,808 Art Unit:  
Filed: 2/28/2002 Examiner:  
For: DESIGNING A COMPLETIONS ARCHITECTURE

**Assistant Commissioner for Patents  
Washington, DC 20231**

## POWER OF ATTORNEY

As the owner of the above-referenced patent application, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

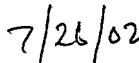
Jeffrey E. Griffin, 36,534  
Bryan White, 45,211  
Tim W. Curington, 45,944  
John J. Ryberg, 31,134  
Brigitte L. Jeffery, 38,925

Wayne I. Kanak, 35,564  
Victor Segura, 44,329  
Jeff Daly, 44,640  
Dan C. Hu, 40,025  
Fred G. Pruner, Jr., 40,779

**Direct all correspondence to:**

**Patent Counsel  
Schlumberger Technology Corporation  
Schlumberger Reservoir Completions  
P.O. Box 1590  
Rosharon, Texas 77583-1590  
281/285-5720**

  
\_\_\_\_\_  
Prasanna Venkatesan  
Vice President  
Schlumberger Technology Corporation

  
\_\_\_\_\_  
Date Signed



## STATEMENT UNDER 37 CFR 3.73(b)

Applicant: **Schlumberger Technology Corporation**

Application No.: 10/085,808

Docket No.: 68.0303

Entitled: DESIGNING A COMPLETIONS ARCHITECTURE

Schlumberger Technology Corporation, a corporation, states that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel: \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s) of the patent application identified above to current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Copies of assignments or other documents in the chain of title are attached.

The undersigned is empowered to sign this statement on behalf of the assignee

Date: 7/26/02

Signature: Prasanna Venkatesan

Prasanna Venkatesan, Vice President

**ASSIGNMENT**

WHEREAS, We, **YOUNES JALALI**, a citizen of the United States of America, residing at 1926 Woodlawn Terrace, Sugar Land, Texas 77479, **SHEKHAR SINHA**, a citizen of India, residing at 60 Petersfield Mansions, Mill Rd., Cambridge CB1 1BB U.K., **ALLYSON GAJRAJ**, a citizen of the Trinidad and Tobago, residing at 23211 Willow Pond Drive, Katy, Texas 77494, **SORAYA BETANCOURT**, a citizen of Venezuela, residing at 2 Vine Lane, Ridgefield, Connecticut 06877 **RINTU KALITA**, a citizen of India, residing at 31 Petersfield Mansions, Hill Road, Cambridge, CB1 1BB and **DAVID L. MALONE**, a citizen of the United States of America, residing at 4606 St. Michaels Court, Sugar Land, Texas 77479 hereinafter referred to as the "Inventors", have made inventions and improvements in: **DESIGNING A COMPLETIONS ARCHITECTURE** which are the subject of an application for Letters Patent of the United States of America, executed by us on the date(s) indicated below, (Docket No. 68.0303), hereinafter referred to as the "Invention(s)".

AND WHEREAS, SCHLUMBERGER TECHNOLOGY CORPORATION, hereinafter referred to as "said COMPANY", a corporation duly organized, incorporated and existing under the laws of the State of Texas, and having a place of business at 300 Schlumberger, Sugar Land, Texas 77478 is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to the Invention(s), and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we the Inventors, for good and valuable considerations, the receipt and sufficiency of which hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to the Invention(s), described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on the Invention(s) in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon the Invention(s).

TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on the Invention(s).

AND we do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND we do hereby covenant and warrant that we have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that we have not executed and will not execute any instruments in conflict herewith.

AND we, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that we, our executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to the Invention(s), and any related application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

IN WITNESS WHEREOF, I, Younes Jalali, the Inventor, have hereunto set my hand and seal

13 - Mar - 02

Date

Y. Jalali

Younes Jalali

WITNESSED:

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this 13 day of March, 2002, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth,

Rintu Kalita

Witness RINTU KALITA

31, PETERSFIELD MANSION  
MILL ROAD  
CAMBRIDGE  
ENGLAND CB1 1BB  
Post Office Address

Valerie Biran

Witness VALEERIE BIRAN

66 STOREY'S WAY  
CAMBRIDGE CB3 0DX  
ENGLAND

Post Office Address

IN WITNESS WHEREOF, I, Shekhar Sinha, the Inventor, have hereunto set my hand and seal.

5 March 2002

Date

Shekhar Sinha

Shekhar Sinha

WITNESSED:

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this 5<sup>th</sup> day of March, 2002, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Y. Wood

Witness

14A ROTNSAY GARDENS  
BEDFORD  
BEDS  
MK40 3QB

Post Office Address

Sylvain CHABON

Witness

9 Jasmine Court  
Cherry Hinton Road  
CAMBRIDGE  
CB1 8BG

Post Office Address

IN WITNESS WHEREOF, I, Allyson Gajraj, the Inventor, have hereunto set my hand and seal.

03/05/2002

Date

Allyson Gajraj

Allyson Gajraj

WITNESSED:

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this 5<sup>th</sup> day of March, 2002, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Witness

O.C. Ulohoros  
Obinna Ilohoros  
The Garage House  
67 Saint James' Mews  
Broad Street, Cambridge  
CB3 6DH, Cambridgeshire  
Post Office Address

Witness

Alex Kosmala A. Kosmala  
Acacia Farm  
Lower Road - Croydon  
Roxton SG8 0EE  
United Kingdom.  
Post Office Address

IN WITNESS WHEREOF, I, Soraya Betancourt have hereunto set my hand and seal this  
March 4<sup>th</sup>, 2002.

Soraya Betancourt  
Soraya Betancourt

Soraya Betancourt

STATE OF CONNECTICUT  
COUNTY OF Fairfield

BEFORE ME, this 4<sup>th</sup> day of March, 2002 personally appeared Soraya Betancourt, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Ruth A. Schreiber  
Ruth A. Schreiber  
Notary Public in and for the State of Connecticut

**SEAL**

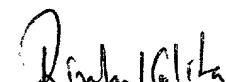
**MY COMMISSION EXPIRES  
JULY 31, 2005**

My Commission Expires: 02/01/2009

IN WITNESS WHEREOF, I, Rintu Kalita, the Inventor, have hereunto set my hand and seal.

05-MAR-2002

Date



Rintu Kalita

WITNESSED:

BE IT KNOWN, that, is to me known to be the individual described in the foregoing assignment, that on this 5 day of March, 2002, I was personally present and did see him sign and execute the foregoing assignment and that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

Diana M Galindo P  
Witness Diana M Galindo

50 Hopkins Close  
Cambridge CB4 1FD  
ENGLAND

Post Office Address

Sylvain CHANBON  
Witness

9, Jasmine Court  
Cherry Hinton Road  
CAMBRIDGE CB1 8BG

Post Office Address

IN WITNESS WHEREOF, I, David L. Malone have hereunto set my hand and seal this

March 11, 2002.

David L. Malone

STATE OF TEXAS  
COUNTY OF BRAZORIA

BEFORE ME, this March 11, 2002 personally appeared David L. Malone, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Notary Public in and for the State of Texas

SEAL

My Commission Expires: May 19, 2002

